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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of  
Krzysztof Palczewski et al.  
Application No.: 10/801,078  
Filing Date: March 15, 2004  
Title: STABILIZED MUTANT OPSIN  
PROTEINS

) MAIL STOP  
) Group Art Unit: 1618  
) Examiner: ZOHREH A FAY  
) Confirmation No.: 9475  
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FIRST  
INFORMATION DISCLOSURE STATEMENT  
TRANSMITTAL LETTER

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

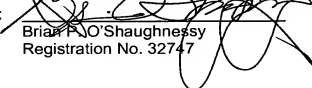
Enclosed is a FIRST Information Disclosure Statement (IDS) and accompanying form PTO-1449 for the above-identified patent application.

- ☒ No additional fee for submission of an IDS is required.
- ☐ The fee of \$ 180 as set forth in 37 C.F.R. § 1.17(p) is also enclosed.
- ☐ A statement under 37 C.F.R. § 1.97(e) is also enclosed.
- ☐ A statement under 37 C.F.R. § 1.97(e), and the fee of \$ 180 as set forth in 37 C.F.R. § 1.17(p) are also enclosed.
- ☐ Charge \_\_\_\_\_ to Deposit Account No. 02-4800 for the fee due.
- ☐ A check in the amount of \_\_\_\_\_ is enclosed for the fee due.
- ☐ Charge \_\_\_\_\_ to credit card for the fee due. Form PTO-2038 is attached.
- ☒ The Director is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17 and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.

Respectfully submitted,

BUCHANAN INGERSOLL & ROONEY PC

Date June 12, 2007

By:   
Brian P. O'Shaughnessy  
Registration No. 32747

P.O. Box 1404  
Alexandria, VA 22313-1404  
703 836 6620



Patent  
Attorney Docket No. 0069509-000003

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

|  |   |                        |
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| In re Patent Application of              | ) | <b>MAIL STOP</b>       |
| Krzysztof Palczewski et al.              | ) | Group Art Unit: 1618   |
| Application No.: 10/801,078              | ) | Examiner: ZOHREH A FAY |
| Filed: March 15, 2004                    | ) | Confirmation No.: 9475 |
| For: STABILIZED MUTANT OPSIN<br>PROTEINS | ) |                        |
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Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, the accompanying information is being submitted in accordance with 37 C.F.R. §§ 1.97 and 1.98.

Pursuant to 37 C.F.R. § 1.98, a copy of each of the documents cited is enclosed. However, copies of the listed U.S. patents and U.S. patent application publications are not enclosed since it is no longer required.

The documents are being submitted within three (3) months of the filing or entry of the national stage of this application or before the first Office Action on the merits, whichever is later. Since these documents are being filed within the time period set forth in 37 C.F.R. § 1.97(b), no fee or statement is required.

To assist the Examiner, the documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner initialed copy of this form be returned to the undersigned.

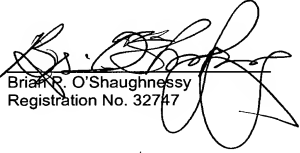
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*Complete if Known*

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Sheet 1 of 5

## U.S. PATENT DOCUMENTS

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## FOREIGN PATENT DOCUMENTS

| Examiner Initials | Document Number | Kind Code (if known) | Country | Date of Publication (MM-DD-YYYY) | STATUS      |                     |         |            |               |     |          |               |
|-------------------|-----------------|----------------------|---------|----------------------------------|-------------|---------------------|---------|------------|---------------|-----|----------|---------------|
|                   |                 |                      |         |                                  | Translation | Partial Translation | Summary | Err. Lang. | Search Report | PER | Abstract | Cited in Spec |
|                   | WO 04/082622    | A2                   | PCT     | 09-30-2004                       |             |                     |         |            |               |     |          |               |
|                   | WO 02/082904    | A2                   | PCT     | 10-24-2002                       |             |                     |         |            |               |     |          |               |
|                   | WO 00/68364     |                      | PCT     | 11-16-2000                       |             |                     |         |            |               |     |          |               |

## NON-PATENT LITERATURE DOCUMENTS

| Examiner Initials | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.   |
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| Examiner<br>Signature |  | Date<br>Considered |  |
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Sheet 2 of 5

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|                   | Tan, Q., et al., "Absolute Sense of Twist of the C12-C13 Bond of the Retinal Chromophore in Bovine Rhodopsin Based on Exciton-Coupled CD Spectra of 11,12-Dihydroretinal Analogues", <i>Agnew. Chem. Int. Ed. Engl.</i> 36(19):2089-2093, WILEY-VCH Verlag GmbH                                 |
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